Zapotén area. Without more active protection, the trees to which megaplaga is specifically adapted seem likely to disappear, as they largely have across the border. So probably would vanish a unique avian relict.

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#### References:

A.O.U. 1931. Check-List of North American Birds. 4th edn. American Ornithologists' Union, Lancaster, Pennsylvania.

A.O.U. 1944. Nineteenth supplement to the American Ornithologists' Union check-list of North American Birds. *Auk* 61: 441–464.

Beck, R. 1921. Bird collecting in the highlands of Santo Domingo. Nat. Hist. 21: 37-49. Benkman, C. W. 1992. White-winged Crossbill. No. 27 in The Birds of North America (A. Poole, P. Stettenheim and F. Gill, eds). Academy of Natural Sciences, Philadelphia, Pennsylvania.

Benkman, C. W. 1994. Comments on the ecology and status of the Hispaniolan Crossbill (Loxia leucoptera megaplaga), with recommendations for its conservation. Caribbean J., Sci. 30: 250-254.

Bond, J. 1928. The distribution and habitats of the birds of the Republic of Haiti. Proc.

Acad. Nat. Sci. Philadelphia 80: 483-521.
Bond, J. 1936. Birds of the West Indies. Academy of Natural Sciences, Philadelphia, Pennsylvania.

Bond, J. 1940. Check-list of birds of the West Indies. Ibid.

Bond, J. 1945. Check-list of birds of the West Indies. 2nd edn. Ibid.

Bond, J. 1961. Birds of the West Indies. First American edition. Houghton Mifflin, Boston, Massachusetts.

Bond, J. 1971. Sixteenth supplement to the check-list of birds of the West Indies (1956). Academy of Natural Sciences, Philadelphia, Pennsylvania.

Bond, J. 1972. Seventeenth supplement to the check-list of birds of the West Indies (1956). *Ibid*.

- Chapman, F. M. 1917. Descriptions of new birds from Santo Domingo and remarks on others in the Brewster-Sanford Collection. *Bull. Am. Mus. Nat. Hist.* 37: 327–334.
- Cramp, S. & Perrins, C. M. (eds). 1994. The Birds of the Western Palearctic. Vol. 8. Oxford Univ. Press.
- Dod, A. S. 1978. Aves de la República Dominicana. Museo National de Historia Natural, Santo Domingo.
- Eck, S. 1980 (1981). Reflexionen über die Taxonomie westpalaearktischer Loxia-Arten (Aves, Passeriformes, Fringillidae). Zool. Ahb. Mus. Tierk. Dresden 37: 183-207.
- Griscom, L. 1937. A monographic study of the Red Crossbill. Proc. Boston Soc. Nat. Hist. 41: 77-210.
- Groth, J. G. 1993. Evolutionary differentiation in morphology, vocalizations, and allozymes among nomadic sibling species in the North American Red Crossbill (Loxia curvirostra) complex. Univ. Cal. Pub. Zool. 127.
- Hartert, E. 1910. Die Vögel der paläarktischen Fauna. Vol. 1. R. Friedländer und Sohn, Berlin.
- Hartert, E. & Steinbacher, F. 1932. Die Vögel der paläarktischen Fauna. Ergänzungsband, Heft 1. Berlin.
- Hellmayr, C. E. 1938. Catalog of birds of the Americas and the adjacent islands in Field Museum of Natural History. Field Mus. Nat. Hist. Zool. Series 13, Part 11.
- Kepler, A. K., Kepler, C. B. & Dod, A. 1975. First nest record of the White-winged Crossbill in Hispaniola. Condor 77: 220-221.
- Lack, D., Lack, E., Lack, P. & Lack, A. 1972. Transients in Jamaica 1970–71. Gosse Bird Club Broadsheet 18: 1–5.
- Latta, S. C. & Wunderle, J. M., Jr. 1996. The composition and foraging ecology of mixed-species flocks in pine forests of Hispaniola. Condor 98: 595-607.
- Mirov, N. T. 1967. The genus Pinus. Ronald Press Co., New York.
- Mundinger, P. C. 1979. Call learning in the Carduelinae: ethological and systematic considerations. Syst. Zool. 28: 270–283.
- Paynter, R. A., Jr. (ed.) 1968. Peters' Check-List of Birds of the World. Vol. 14. Museum of Comparative Zoology, Harvard.
- Reynard, G. B. 1981. Bird songs in the Dominican Republic [cassette]. Cornell Laboratory of Ornithology, Ithaca, New York.
- Richmond, C. W. 1916. Explorations in Santo Domingo. Smithsonian Misc. Coll. 66(17): 36-39.
- Riley, J. H. 1916. Three remarkable new species of birds from Santo Domingo. Smithsonian Misc. Coll. 66(15): 1-2.
- Sauget, J. S. & Liogier, E. E. ("Hermano Leon F.S.C." and "Hermano Alain F.S.C.") 1946. Flora de Cuba. Parte I. Contrib. Occ. Mus. Hist. Nat. Colegio de la Salle (Habana), Num. 8. Reprinted 1974 by Otto Koeltz Science Publishers, Koenigstein, Germany.
- Wetmore, A. & Swales, B. H. 1931. The birds of Haiti and the Dominican Republic. U.S. Nat. Mus. Bull. 155.
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# New and noteworthy bird records from Belize including the first record of Chestnut-collared Swift Cypseloides rutilus

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Over thirty years have passed since Russell (1964) summarized what was then known about the status and distribution of birds in the Central American country of Belize. Among the more recent publications that have added to our understanding of avian distributions in that area are those of Howell *et al.* (1992), Barlow *et al.* (1969, 1970, 1972), Mills & Rogers (1988), and Miller & Miller (1992).

Since 1992, we have spent a combined total of 45 weeks in Belize. The following notes are all based on sight records made during the period January 1992 to April 1996. Included are the first record of Chestnut-collared Swift Cypseloides rutilus for Belize as well as notes on seven other species of poorly known or marginal occurrence in that country. It is noteworthy that while most of our time was spent in northern Belize, four of the eight observations detailed below resulted from less than four weeks spent in the poorly known southern half of the country. Further investigations in southern Belize will doubtless bring to light additional unusual records and range extensions (S. N. G. Howell pers. comm.).

## CINNAMON TEAL Anas cyanoptera

Although described by Wood et al. (1986) as a very rare transient, Belize was not included in the range of this species by Howell & Webb (1995). An adult male Cinnamon Teal was observed feeding and roosting in flooded rice fields in the company of some 400 Blue-winged Teal A. discors and eight American Wigeon A. americana, approximately 3 km west of San Felipe, Orange Walk District, on 2 March 1996. This bird was identified by its overall bright cinnamon coloration and red eye.

## BICOLORED HAWK Accipiter bicolor

Russell (1964) listed three records of this species from Belize. Wood et al. (1986) described it as a very rare permanent resident in Belize. On 9 April 1996, an adult Bicolored Hawk was observed carrying nesting material into a dense vine tangle along a logging road at Gran del Oro, Cayo District. As far as we know, this observation represents the first evidence of nesting by this little known species in Belize.

## CHESTNUT-COLLARED SWIFT Cypseloides rutilus

At least four adult Chestnut-collared Swifts were present in a concentration of approximately 40 Chaetura swifts (probably Chaetura vauxi) at The Cockscomb Basin Wildlife Sanctuary, Stan Creek